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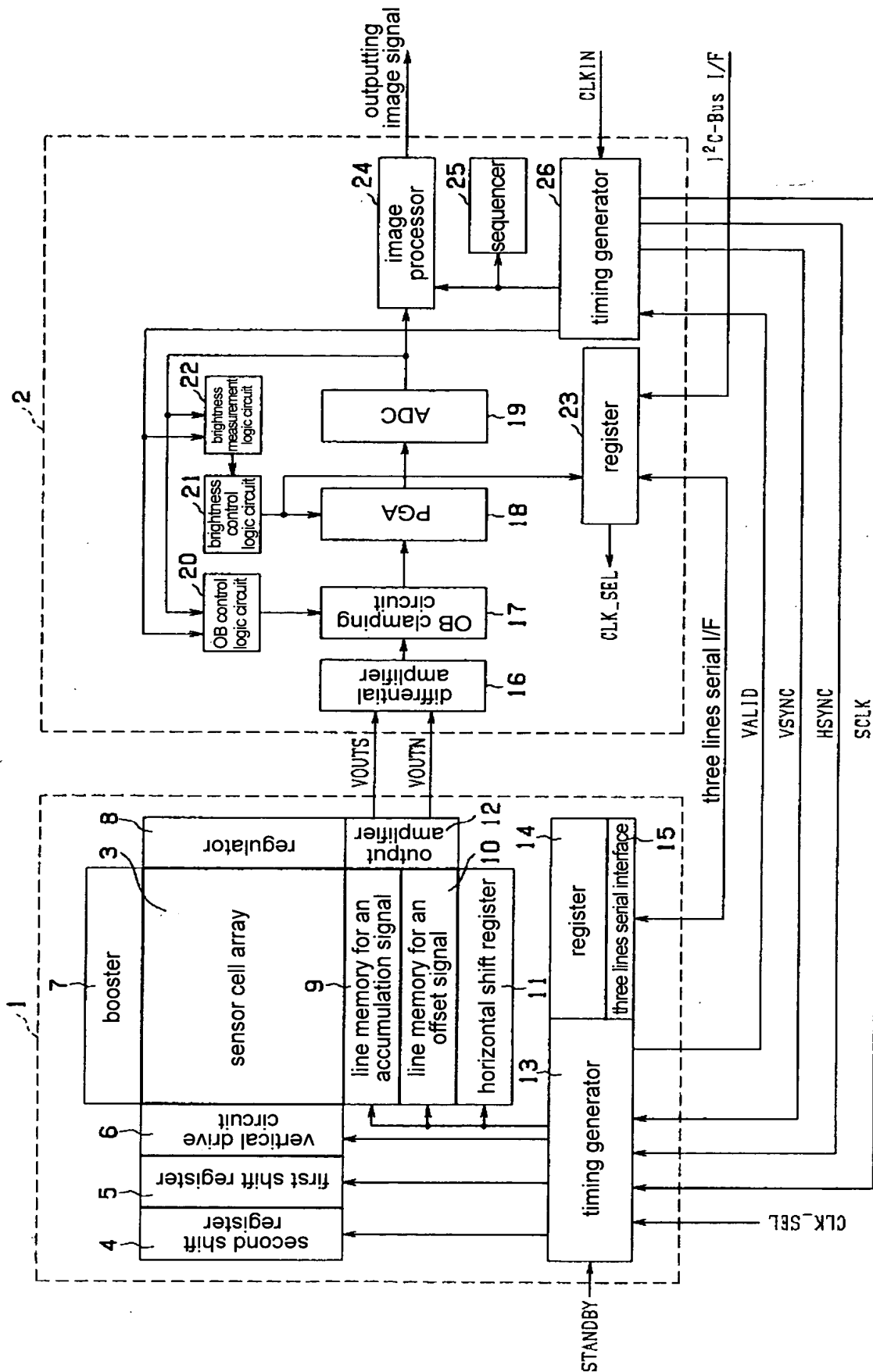


FIG. 1

FIG. 2

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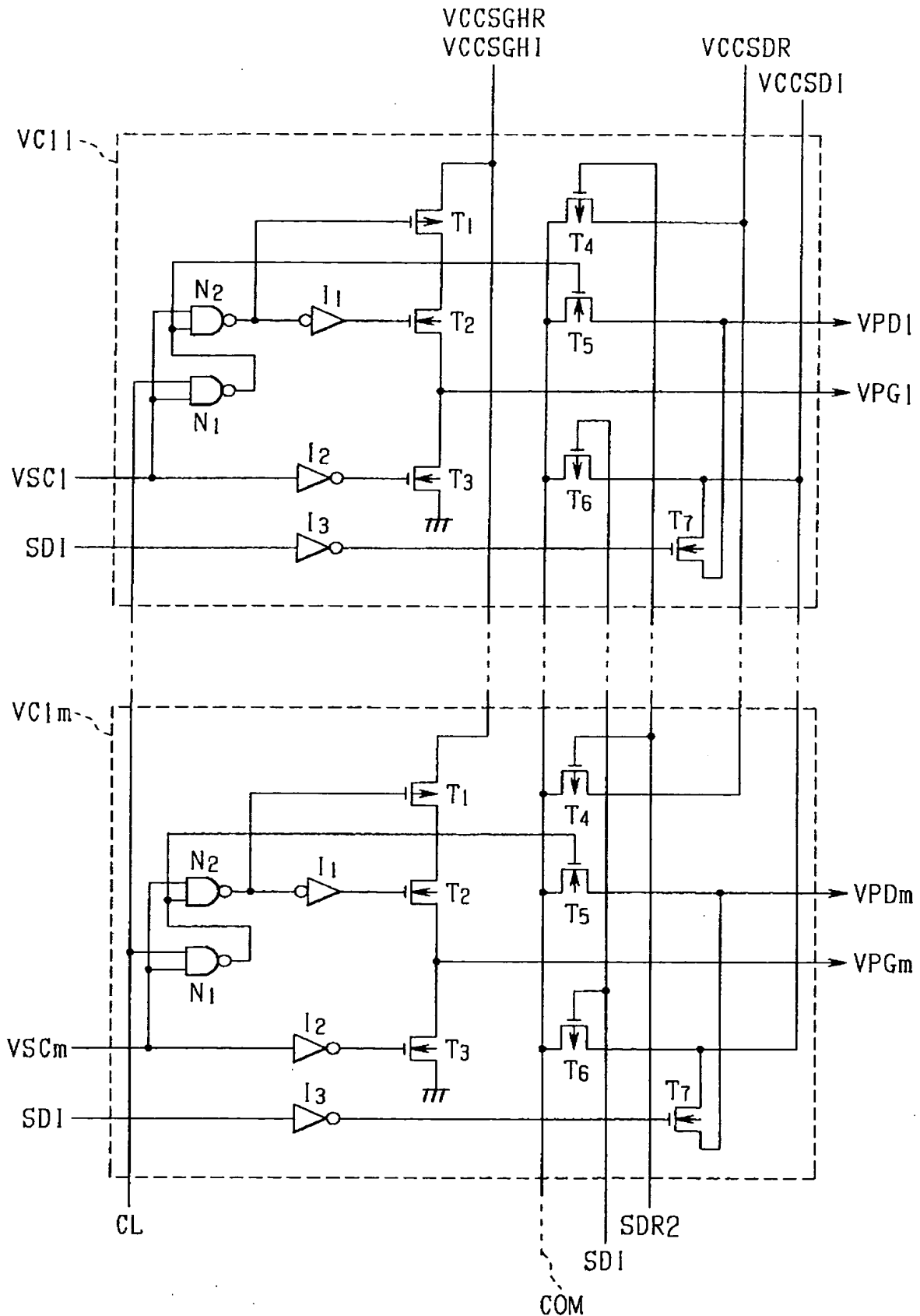


FIG. 3

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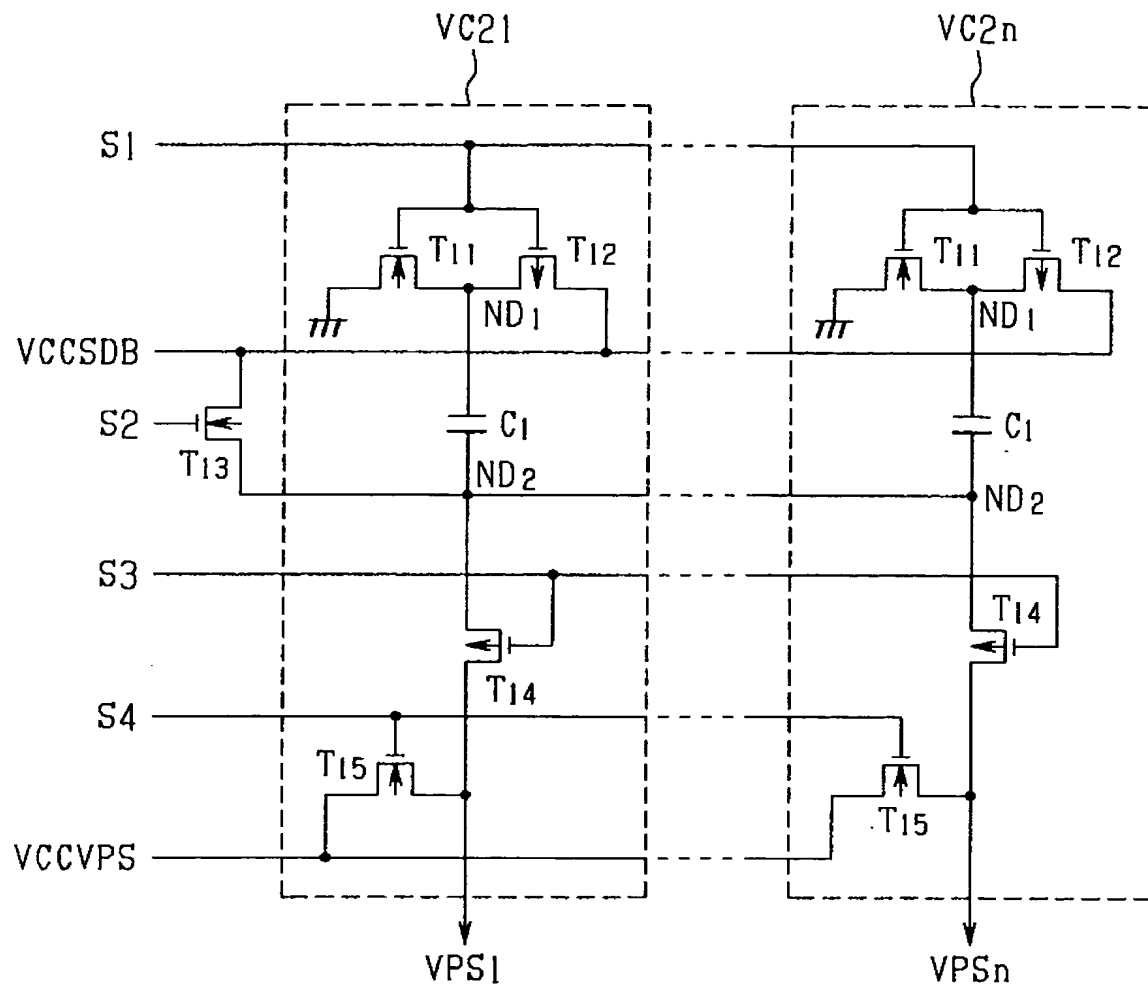


FIG. 4A

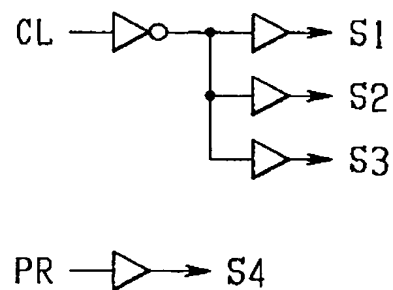


FIG. 4B

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States of sensor bias

	state	accumulation	RESS	LOADS	PR	CL	RESN	LOADN
GATE	selected	VCCSGHI	Lo	VCCSGHR	VCCSGHR	VCCSGHR+ VCCSDBX 2	Lo	VCCSGHR
	non selected		Lo	Lo	Lo	Lo	Lo	Lo
SOURCE	selected	turning "on" (VCCSDI)	VMPR	VCCSGHR-VthS	VCCVPS	VCCSDBX 2	VMPR	VCCSGHR-VthN
DRAIN	selected	VCCSDI	HiZ	VCCSDR	turning "on" (VCCVPS)	turning "on" (VCCSDBX 2)	HiZ	VCCSDR
	non selected		HiZ	VCCSDR	VCCVPS	VCCSDR	HiZ	VCCSDR

FIG. 5

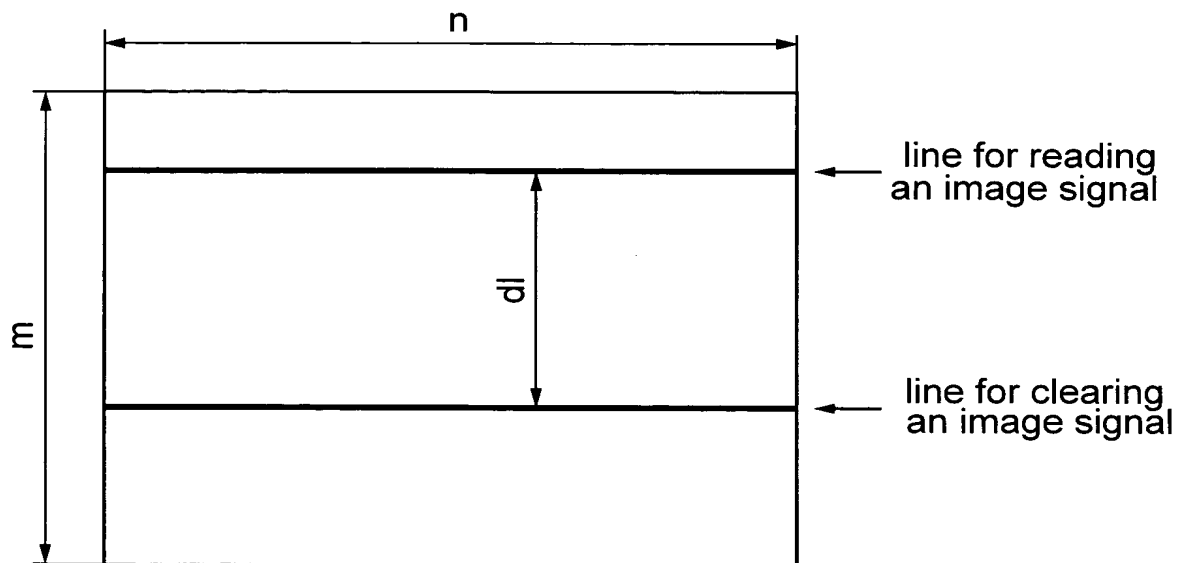


FIG. 6

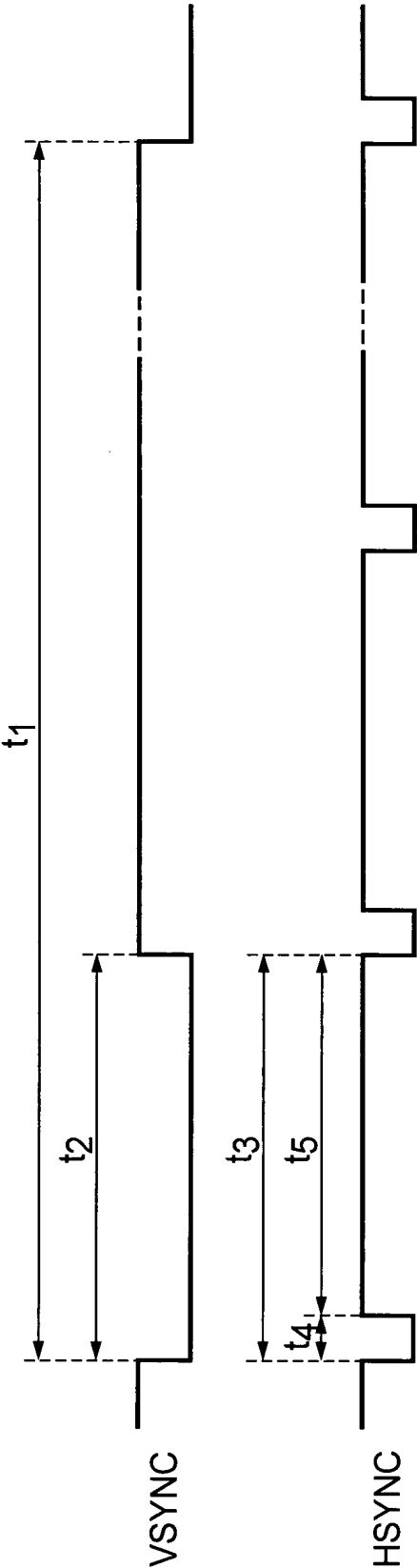


FIG. 7

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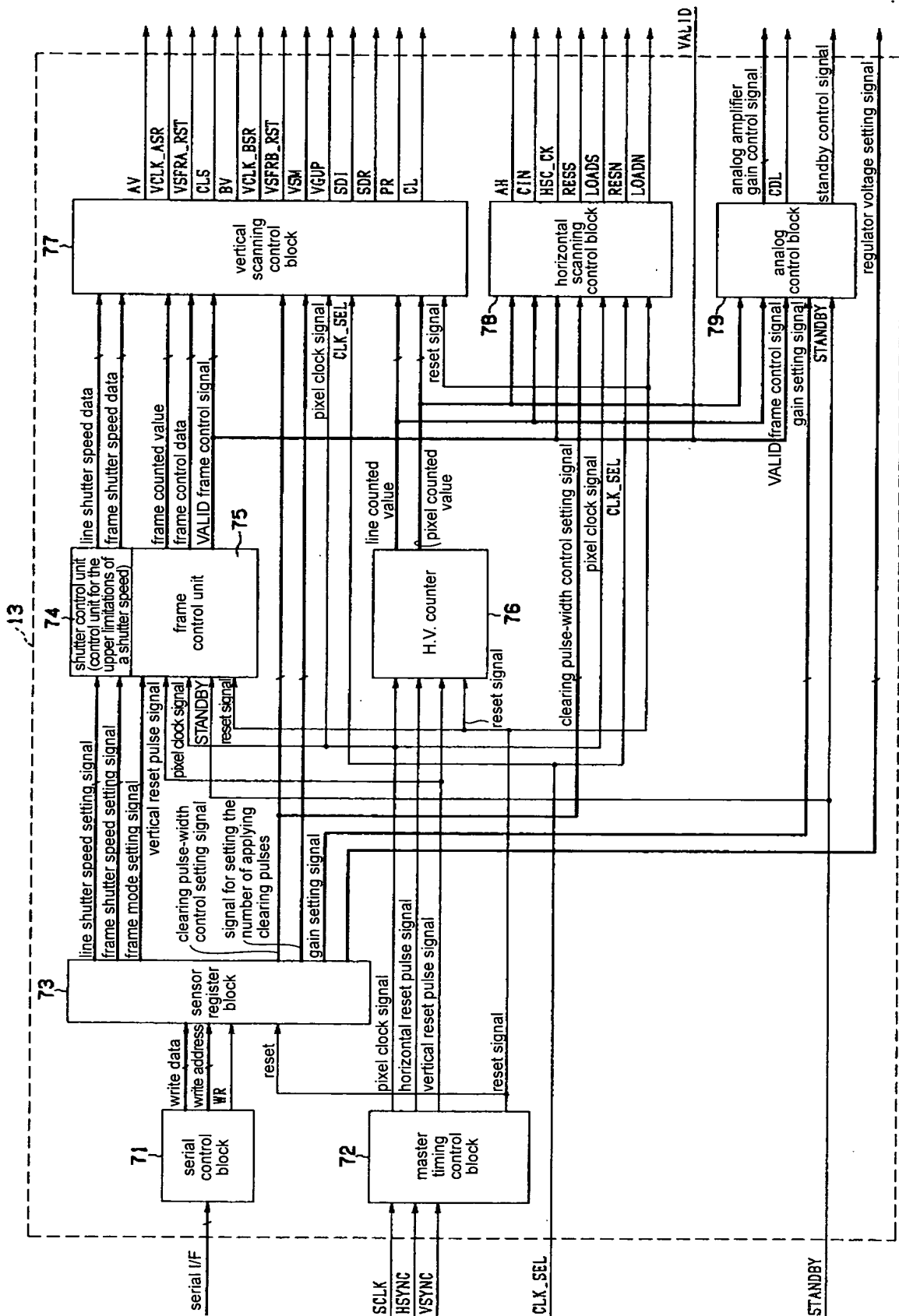


FIG. 8

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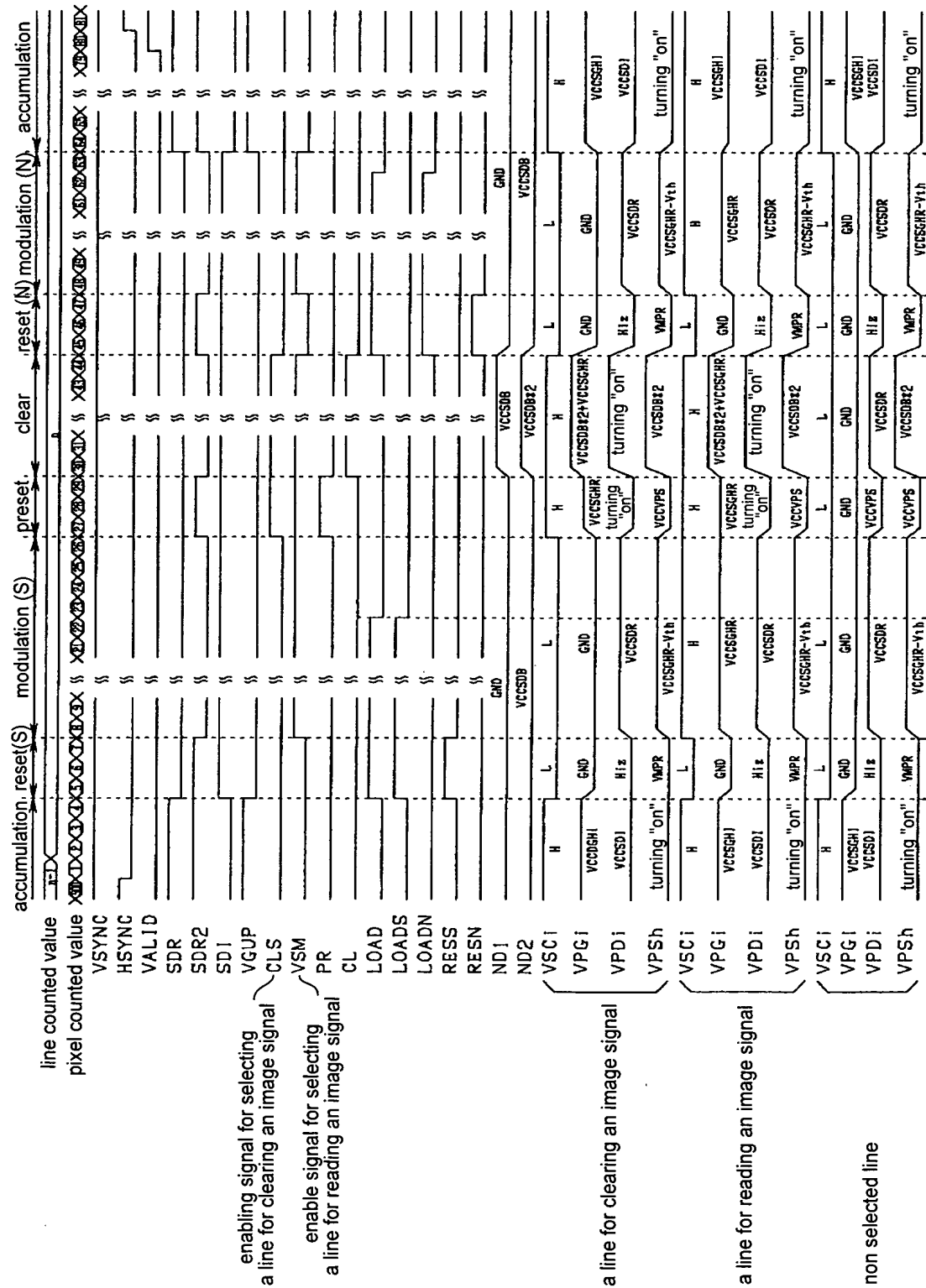


FIG. 9

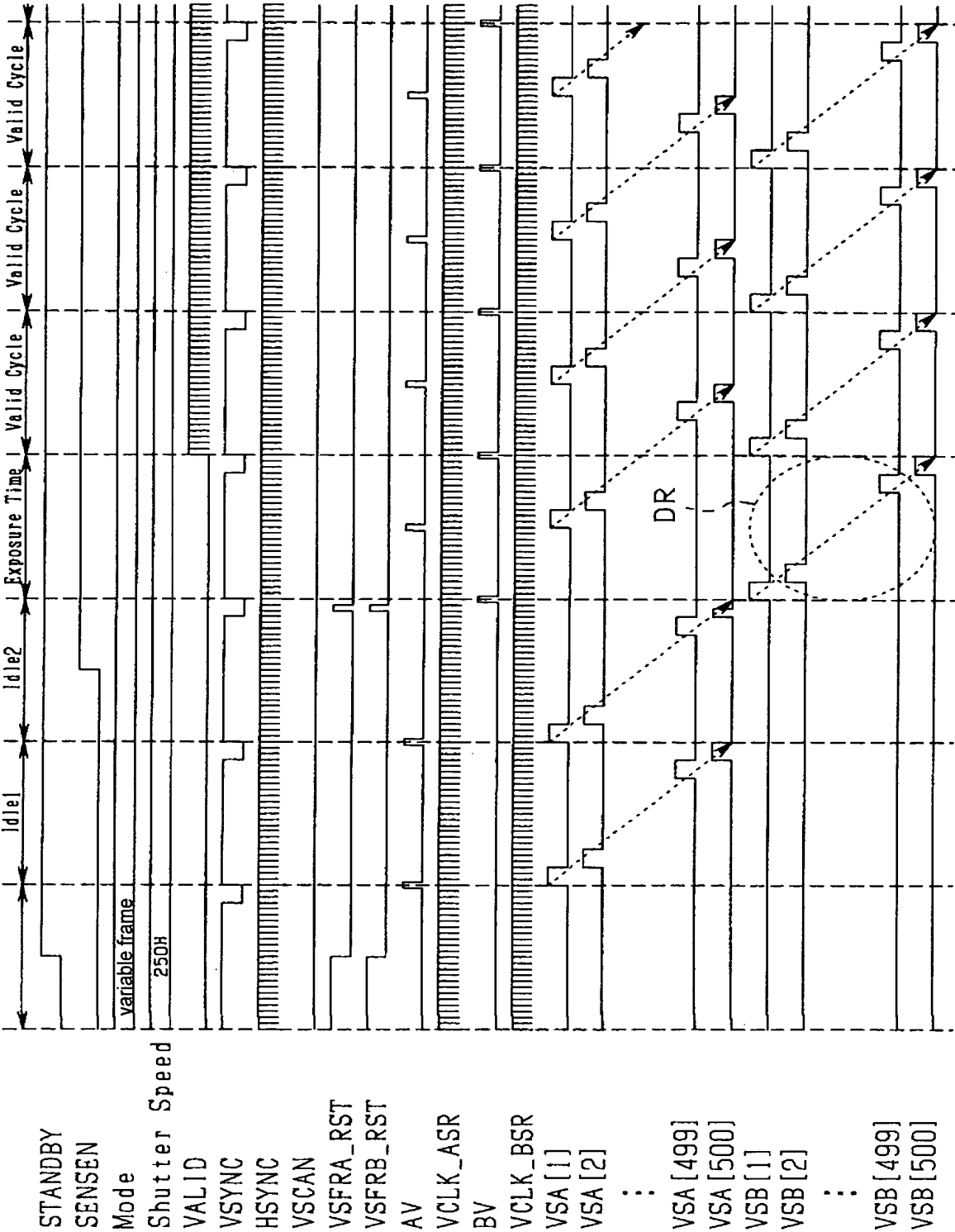


FIG. 10

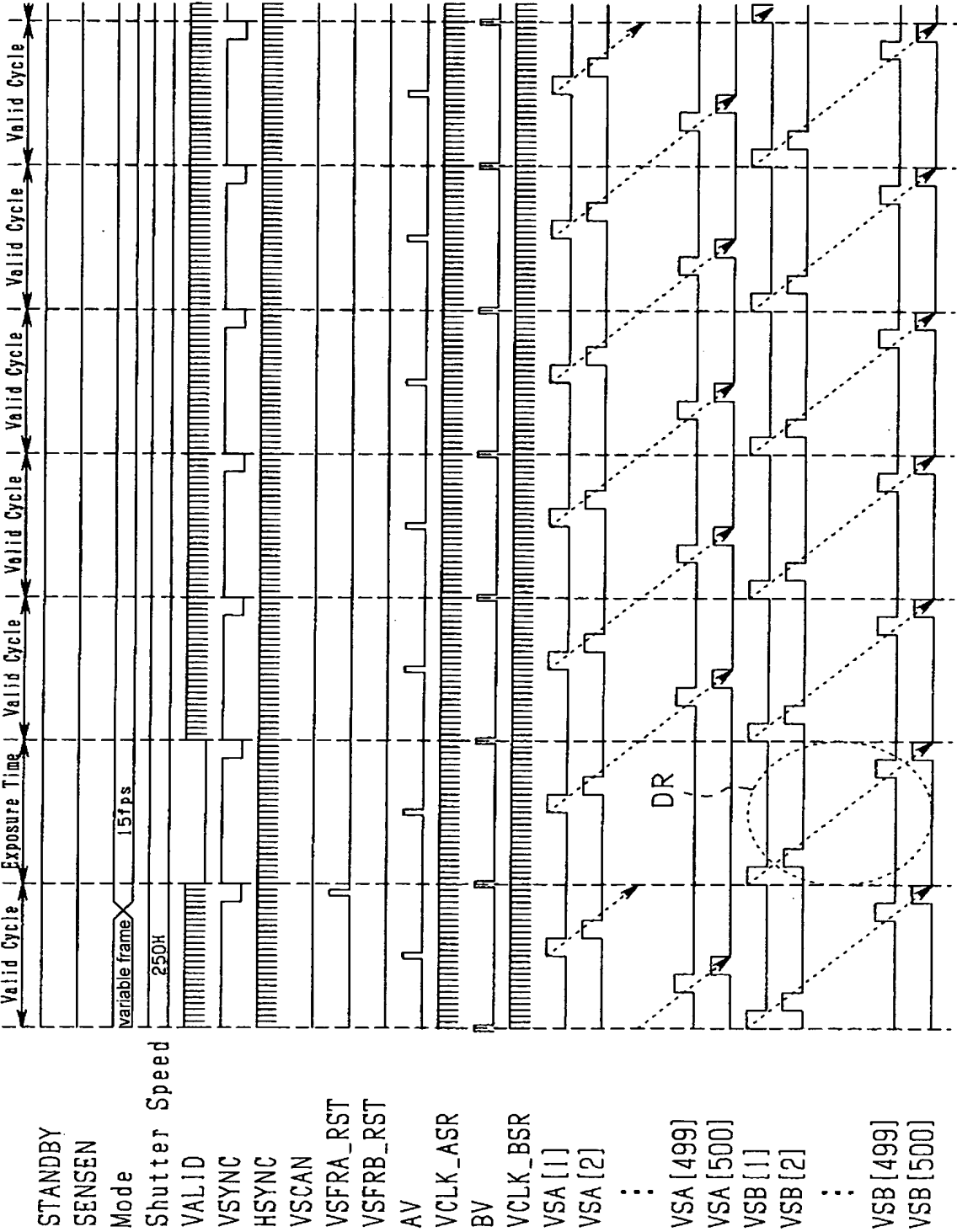


FIG. 11

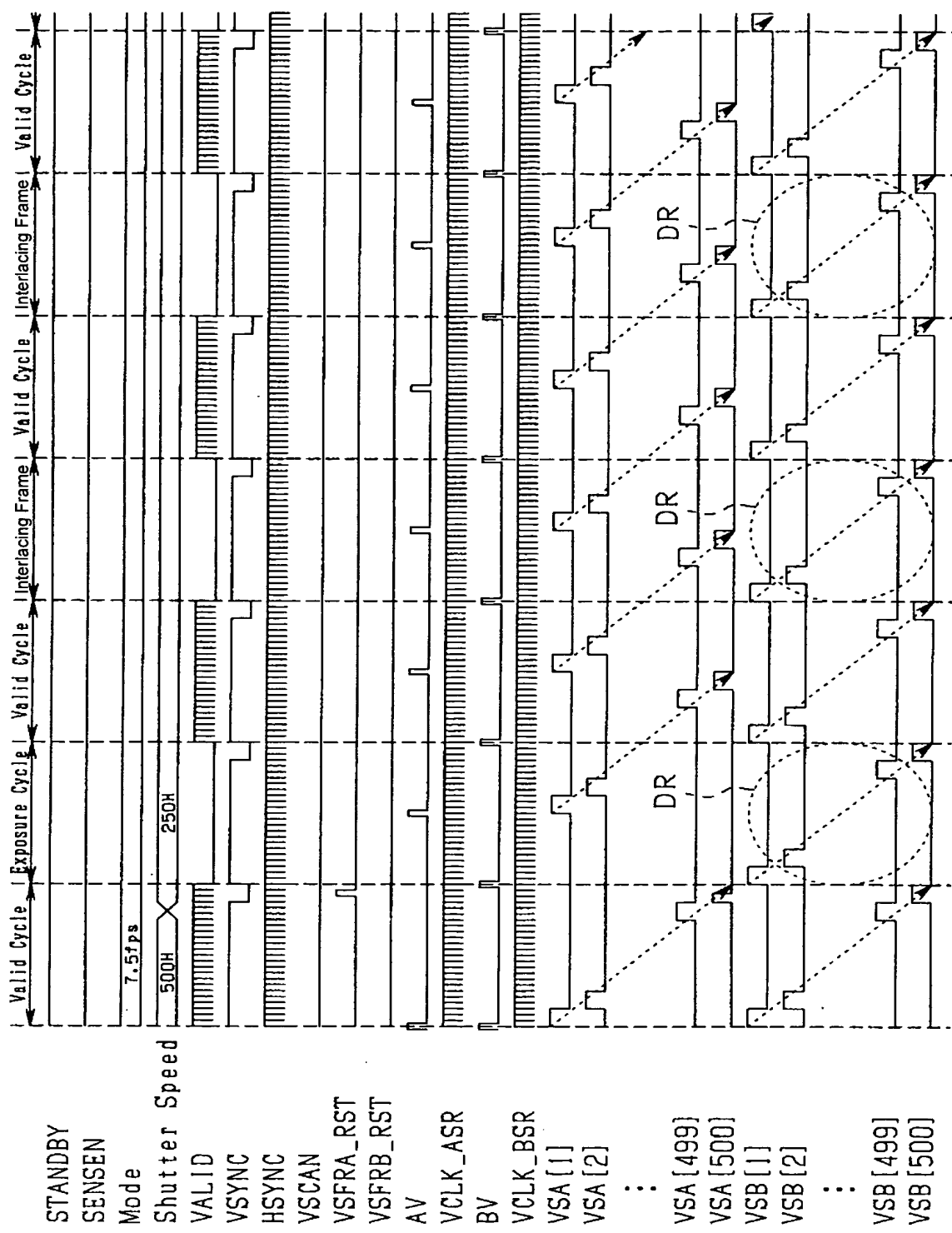


FIG. 12

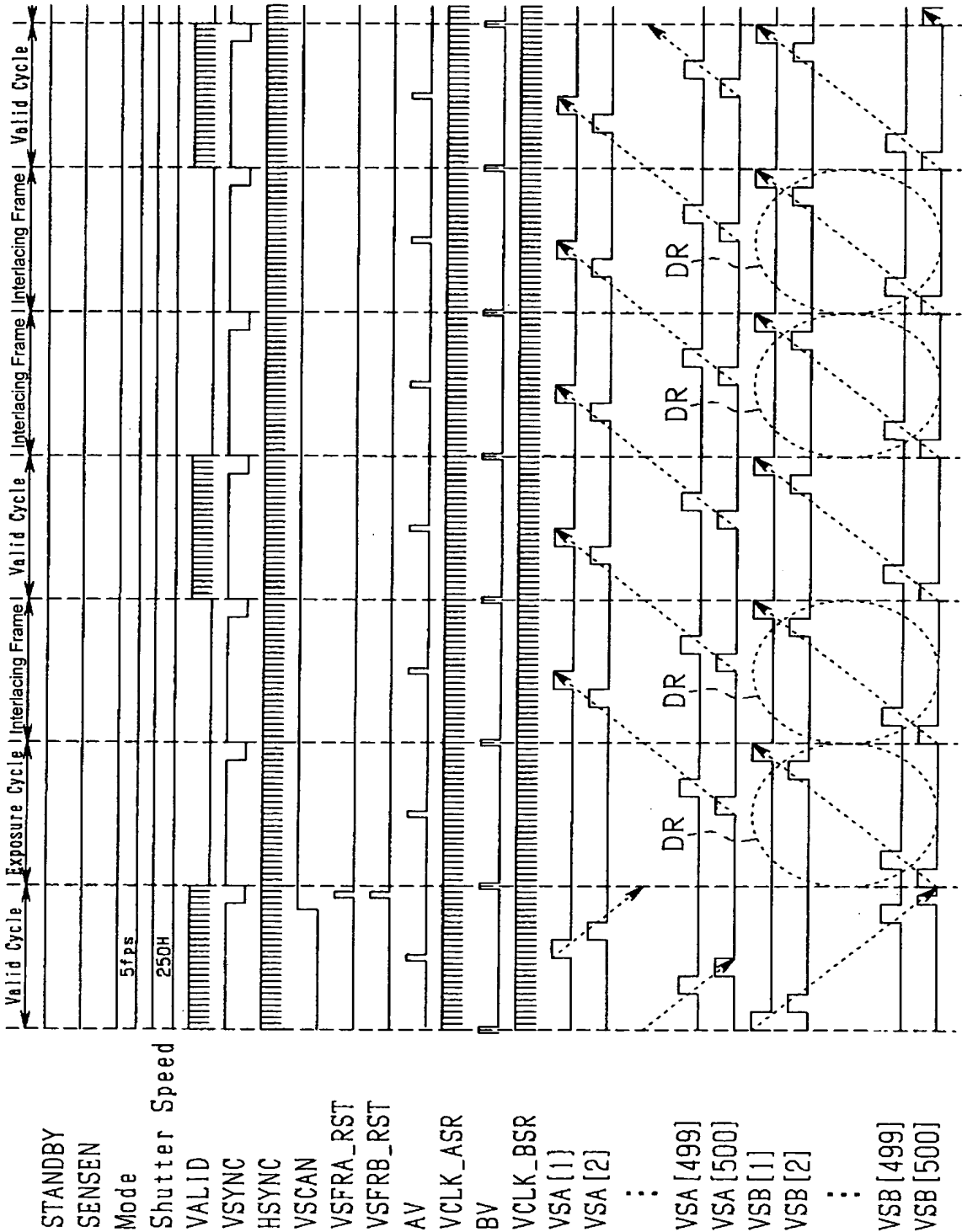


FIG. 13

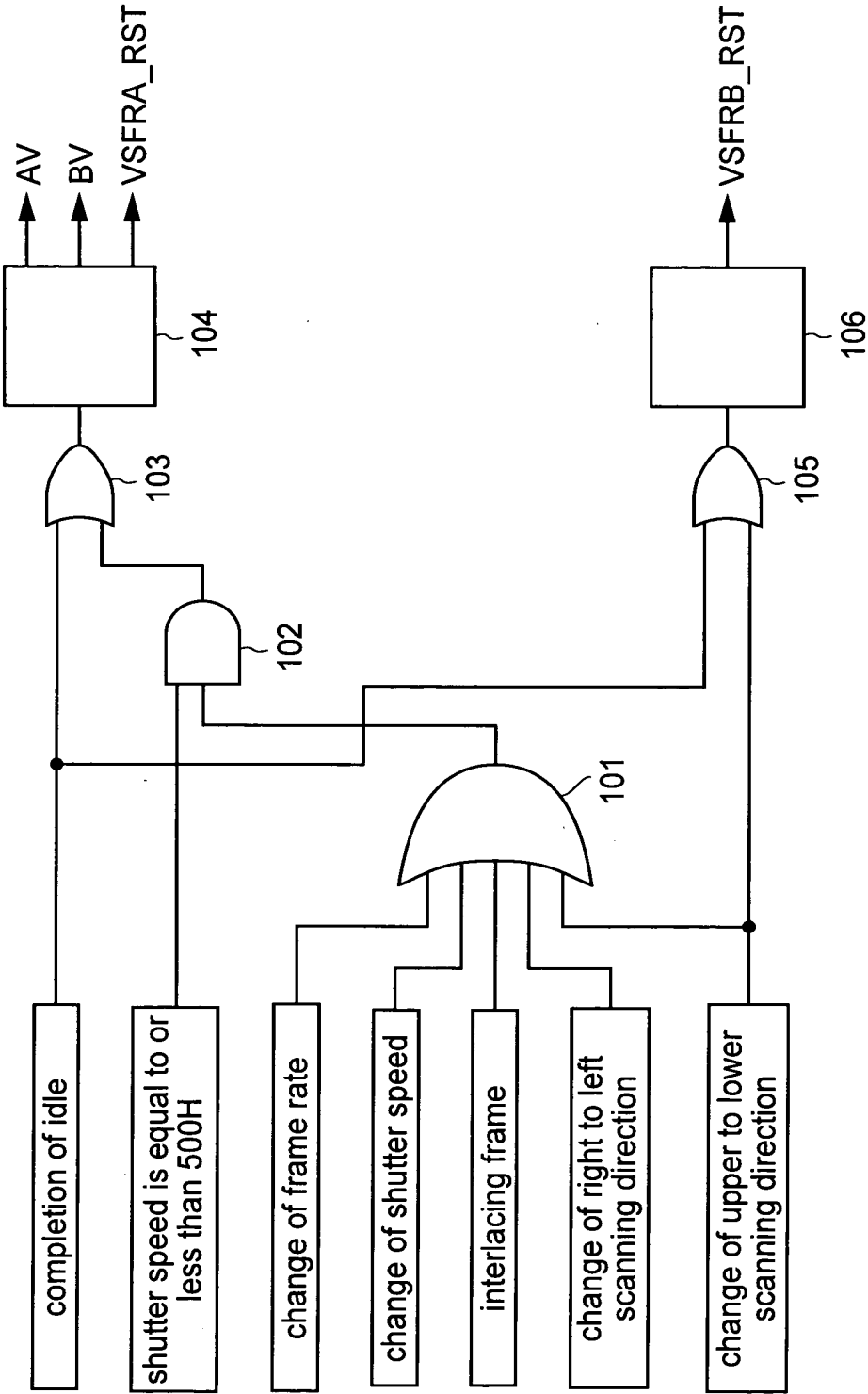


FIG. 14